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REMARKS

Applicant asserts that the present invention is new, non-obvious and useful. Applicant respectfully requests reconsideration of the above-identified application in view of the foregoing amendments and following remarks.

Status of Claims

Claims 11–16, 25–31 and 41–59 are pending in the application. Claims 11–16, 25–30, 41–43, 46 and 51 have been amended. New claims 52–59 have been added.

Applicant respectfully asserts that these amendments to the claims do not add new matter. Support for the amended features of the claims may be found throughout the Specification; for example, at paragraphs 23–29 of the Specification, at Figure 2 and the corresponding portions of the Specification, and at Figure 4 and the corresponding portions of the Specification.

35 U.S.C. § 103 Rejections

In the Office Action, the Examiner rejected claims 11–16 under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent 6,640,239 to Gidwani in view of U.S. Patent 7,010,607 to Bunton. In addition, the Examiner rejected claims 25–31 and 41–51 under 35 U.S.C. §103(a) as being unpatentable over Gidwani in view of Bunton and further in view of U.S. Patent 6,360,220 to Forin.

Applicant respectfully submits that none of the references of Gidwani, Bunton, and Forin, taken individually or in combination with other prior art references, teaches or suggests all elements of the amended independent claims 11, 25, 41, and 52, or of the claims dependent thereon. Accordingly, Applicant respectfully asserts that a prima facie case of obviousness cannot be established for these amended claims and that the rejections under 35 U.S.C. §103 should be withdrawn.

For example, method claim 11 recites monitoring network traffic that includes at least one transaction, “processing the command portion of said transaction via a router”, and

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“based on a predefined policy, directing one of said server computers to directly transfer the data portion of said transaction ... using remote direct memory access messages”.

System claim 52 recites “one or more routers” to monitor network traffic that includes at least one transaction and “to process the command portion of said transaction, and, based on a predefined policy, to direct one of said server computers to directly transfer the data portion of said transaction to said client computer over said connection using remote direct memory access messages”.

Method claim 25 recites isolating, and system claim 41 recites a proxy able to isolate, “at least one transaction from said packet-oriented network traffic, the transaction including a command portion and a data portion” wherein the command portion is sent “to one of said server computers for processing” and the data portion is converted “to allow access to data of the transaction using remote direct memory access messages that are compatible with said multi-channel reliable network hardware”.

Applicant respectfully asserts that none of Gidwani, Bunton, and Forin, taken individually or in combination with other prior art references, teaches or suggests at least the above features of the amended independent claims 11, 25, 41, and 52.

In addition, Applicant has voluntarily amended the independent claims to more particularly point out the claimed subject matter. Specifically, amended independent claims 11 and 52 are directed, respectively, to a method and to a system “for transaction-oriented communication between a client computer and one or more server computers, the client computer and the server computers having multi-channel reliable network hardware”; and amended independent claims 25 and 41 are directed, respectively, to a method and to a system “for transaction-oriented communication between a client computer and one or more server computers having multi-channel reliable network hardware”.

In contrast, Gidwani describes a scalable switching network and does not relate to remote direct memory access messages; Bunton describes a method for training a communication link between ports and relates to remote direct memory access implementation for an “endnode”; and Forin describes lock-free methods and systems for accessing information in an indexed computer data structure and relates to memory management within a computer.

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None of the cited references teaches or suggests a router able to process a command portion of a transaction while a data portion of the transaction is communicated directly between a client and a server using remote direct memory access messages, as is required by Applicants claims 11 and 52. Additionally, none of the cited references teaches or suggests a proxy able to isolate a transaction from packet-oriented network traffic and to separate between a command portion and a data portion of the transaction to allow the command portion to be processed while the data portion is communicated directly using remote direct memory access messages, as is required by Applicants claims 25 and 41.

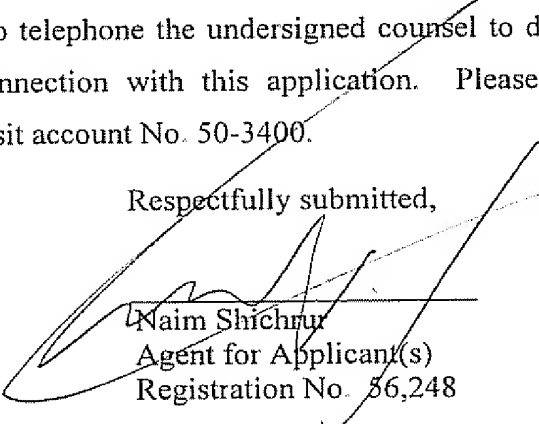
In view of the above, Applicant respectfully submits that the amended independent claims 11, 25, 41, and 52 are allowable, and that dependent claims 12-16, 26-31, 42-51, and 53-59 are likewise allowable at least by virtue of their dependency. Accordingly, Applicant respectfully requests that the rejections under 35 U.S.C. §103 be withdrawn.

Conclusion

In view of the foregoing amendments and remarks, Applicant submits that the pending claims distinguish over the prior art of record and are in condition for allowance. Favorable consideration and passage to issue are therefore respectfully requested.

The Examiner is invited to telephone the undersigned counsel to discuss any further issues yet to be resolved in connection with this application. Please charge any fees associated with this paper to deposit account No. 50-3400.

Respectfully submitted,



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